

Use Attainability Analysis

for

WBID 938 Little Walnut Creek

Submitted by

Missouri Department of Natural Resources Staff

To

Missouri Department of Natural Resources  
Water Protection Program

Date Received: July 18, 2005

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet A - Water Body Identification

Water Body Name (from USGS 7.5' quad): Oppossum Creek	RECEIVED
8-digit HUC: 10290202	JUL 18 2005
Missouri WBID #: 1575	WATER QUALITY PROGRAM
County: Texas	
Upstream Legal Description: SE1/4 SE1/4 Sec. 36T.30N., R.11W.	
Downstream Legal Description: NW1/4 NE1/4 Sec.30 T.30N., R.10W.	
Upstream Coordinates: N. 37.25549 W. 92.09038	
Downstream Coordinates: N. 37.28024 W. 92.07819	
Discharger Facility Name(s): NA	
Discharger Permit Number(s): NA	
Number of Sites Evaluated: 3	
Name of Surveyor and Telephone Number: Dennis Meinert (314)-416-2960	
Organization: Department of Natural Resources, SWCP	
Position: Soil Scientist	

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: Dennis M. Meinert

Date: 06/27/05\_\_

September 29, 2004

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# Field Data Sheet for Recreational Use Stream Surveys

## Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: WB1575-01	Site Location Description: SE1/4 SE1/4 Sec. 36T.30N., R.11W.		
Site GPS Coordinates: N. 37.25549		W. 92.09038	
Date & Time: 6/27/05 9:00 am		Facility Name: NA	
Personnel: Dennis Meinert, John Horton		Permit Number: NA	
Current Weather Conditions: Sunny		Weather Conditions for Past 7 days: Scattered showers	
Photo Ids: Upstream: WB1575-01	Downstream: WBD1575-01	Other:	

### Uses Observed\*:

<input type="checkbox"/> Swimming	<input type="checkbox"/> Skin Diving	<input type="checkbox"/> Scuba diving	<input type="checkbox"/> Tubing	<input type="checkbox"/> Water skiing
<input type="checkbox"/> Wind surfing	<input type="checkbox"/> Kayaking	<input type="checkbox"/> Boating	<input type="checkbox"/> Wading	<input type="checkbox"/> Rafting
<input type="checkbox"/> Hunting	<input type="checkbox"/> Trapping	<input type="checkbox"/> Fishing	<input checked="" type="checkbox"/> None of the above	<input type="checkbox"/> Other:
Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)				

Surrounding Conditions\*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

<input type="checkbox"/> City/county parks	<input type="checkbox"/> Playgrounds	<input type="checkbox"/> MDC conservation lands	<input type="checkbox"/> Urban areas	<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Boating accesses	<input type="checkbox"/> State parks	<input type="checkbox"/> National forests	<input type="checkbox"/> Nature trails	<input type="checkbox"/> Stairs/walkway
<input type="checkbox"/> No trespass sign	<input type="checkbox"/> Fence	<input type="checkbox"/> Steep slopes	<input checked="" type="checkbox"/> Other: private property	

### Evidence of Human Use\*:

<input type="checkbox"/> Roads	<input type="checkbox"/> Foot paths/prints	<input type="checkbox"/> Dock/platform	<input type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV / ATV Tracks
<input type="checkbox"/> Rope swing	<input type="checkbox"/> Camping Sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPDES Discharge	<input type="checkbox"/> Fishing Tackle
<input checked="" type="checkbox"/> Other: none				

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

\*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

# Field Data Sheet for Recreational Use Stream Surveys

## Data Sheet B - Site Characterization

Page Two - WBID #: WB1575-01

### Stream Morphology:

Upstream View Physical Dimensions: No water observed.

Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Flow	Present?	Yes	No	Estimated (ft <sup>3</sup> /sec):

Downstream View Physical Dimensions: No water observed.

Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Flow	Present?	Yes	No	Estimated (ft <sup>3</sup> /sec):

Substrate\*: (These values should add up to 100%.)

20% Cobble	50% Gravel	% Sand	% Silt	% Mud/Clay	30% Bedrock
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Aquatic Vegetation\*: (note amount of vegetation or algal growth at the assessment site)

Aquatic plants on edge
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Water Characteristics\*: (Mark all that apply.)

Odor:	Sewage	Musky	Chemical	None	Other:
Color:	Clear	Green	Gray	Milky	Other: None
Bottom Deposit:	Sludge	Solids	Fine sediments	None	Other:
Surface Deposit:	Oil	Scum	Foam	None	Other:

Comments: Please attach additional comments (including information from interviews) to this form.

\*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that effect another use.

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: *Dennis M. Meinert*

Date: 06/27/05

Organization: Department of Natural Resources SWCP

Position: Soil Scientist

WBID 0938 – Downstream #1



WBID 0938 – Upstream #1



# Field Data Sheet for Recreational Use Stream Surveys

## Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: WB1575-02	Site Location Description: SE1/4 SW1/4 SEC.30 T.30N. R.10W.	
Site GPS Coordinates: N.37.27220 W. 92.07942		
Date & Time: 6/27/05 9:50 am	Facility Name: NA	
Personnel: Dennis Meinert, John Horton	Permit Number: NA	
Current Weather Conditions: Cloudy	Weather Conditions for Past 7 days: Scattered showers	
Photo Ids: Upstream: WBU1575-02	Downstream: WBD1575-02	Other:

### Uses Observed\*:

<input type="checkbox"/> Swimming	<input type="checkbox"/> Skin Diving	<input type="checkbox"/> Scuba diving	<input type="checkbox"/> Tubing	<input type="checkbox"/> Water skiing
<input type="checkbox"/> Wind surfing	<input type="checkbox"/> Kayaking	<input type="checkbox"/> Boating	<input type="checkbox"/> Wading	<input type="checkbox"/> Rafting
<input type="checkbox"/> Hunting	<input type="checkbox"/> Trapping	<input type="checkbox"/> Fishing	<input checked="" type="checkbox"/> None of the above	<input type="checkbox"/> Other:
Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)				

Surrounding Conditions\*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

<input type="checkbox"/> City/county parks	<input type="checkbox"/> Playgrounds	<input type="checkbox"/> MDC conservation lands	<input type="checkbox"/> Urban areas	<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Boating accesses	<input type="checkbox"/> State parks	<input type="checkbox"/> National forests	<input type="checkbox"/> Nature trails	<input type="checkbox"/> Stairs/walkway
<input type="checkbox"/> No trespass sign	<input type="checkbox"/> Fence	<input type="checkbox"/> Steep slopes	<input checked="" type="checkbox"/> Other: private property	

### Evidence of Human Use\*:

<input type="checkbox"/> Roads	<input type="checkbox"/> Foot paths/prints	<input type="checkbox"/> Dock/platform	<input checked="" type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV / ATV Tracks
<input type="checkbox"/> Rope swing	<input type="checkbox"/> Camping Sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPDES Discharge	<input type="checkbox"/> Fishing Tackle
<input checked="" type="checkbox"/> Other: None				

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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# Field Data Sheet for Recreational Use Stream Surveys

## Data Sheet B - Site Characterization

Page Two - WBID #: WB1575-02

### Stream Morphology:

#### Upstream View Physical Dimensions:

Riffle	Width (ft): 20'	Length (ft): 51'	Avg. Depth (ft): 3"	Max. Depth (ft): 7"
Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Flow	Present?	Yes	No	Estimated (ft <sup>3</sup> /sec):

#### Downstream View Physical Dimensions:

Riffle	Width (ft): 20'	Length (ft): 51'	Avg. Depth (ft): 3"	Max. Depth (ft): 7"
Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Flow	Present?	Yes	No	Estimated (ft <sup>3</sup> /sec):

#### Substrate\*: (These values should add up to 100%.)

10% Cobble	85% Gravel	% Sand	% Silt	% Mud/Clay	5 % Bedrock
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#### Aquatic Vegetation\*: (note amount of vegetation or algal growth at the assessment site)

30% Algal growth on rocks.

#### Water Characteristics\*: (Mark all that apply.)

Odor:	Sewage	Musky	Chemical	None	Other:
Color:	Clear	Green	Gray	Milky	Other:
Bottom Deposit:	Sludge	Solids	Fine sediments	None	Other:
Surface Deposit:	Oil	Scum	Foam	None	Other:

**Comments:** Please attach additional comments (including information from interviews) to this form.

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I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: Dennis M. Meinert

Date: 06/27/05

Organization: Department of Natural Resources SWCP

Position: Soil Scientist

WBID 0938 – Downstream #2



WBID 0938 – Upstream #2



# Field Data Sheet for Recreational Use Stream Surveys

## Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: WB1575-03	Site Location Description: NW1/4 NE1/4 Sec.30 T.30N., R.10W.	
Site GPS Coordinates: N. 37.28024 W. 92.07819		
Date & Time: 6/27/05 10:30	Facility Name: NA	
Personnel: Dennis Meinert, John Horton	Permit Number: NA	
Current Weather Conditions: Sunny	Weather Conditions for Past 7 days: Scattered showers	
Photo Ids: Upstream: WBU1575-03	Downstream: WBD1575-03	Other: WBE1575-03

### Uses Observed\*:

<input type="checkbox"/> Swimming	<input type="checkbox"/> Skin Diving	<input type="checkbox"/> Scuba diving	<input type="checkbox"/> Tubing	<input type="checkbox"/> Water skiing
<input type="checkbox"/> Wind surfing	<input type="checkbox"/> Kayaking	<input type="checkbox"/> Boating	<input type="checkbox"/> Wading	<input type="checkbox"/> Rafting
<input type="checkbox"/> Hunting	<input type="checkbox"/> Trapping	<input type="checkbox"/> Fishing	<input checked="" type="checkbox"/> None of the above	<input type="checkbox"/> Other:
Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)				

Surrounding Conditions\*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

<input type="checkbox"/> City/county parks	<input type="checkbox"/> Playgrounds	<input type="checkbox"/> MDC conservation lands	<input type="checkbox"/> Urban areas	<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Boating accesses	<input type="checkbox"/> State parks	<input type="checkbox"/> National forests	<input type="checkbox"/> Nature trails	<input type="checkbox"/> Stairs/walkway
<input type="checkbox"/> No trespass sign	<input type="checkbox"/> Fence	<input type="checkbox"/> Steep slopes	<input checked="" type="checkbox"/> Other: private property	

### Evidence of Human Use\*:

<input type="checkbox"/> Roads	<input type="checkbox"/> Foot paths/prints	<input type="checkbox"/> Dock/platform	<input checked="" type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV / ATV Tracks
<input type="checkbox"/> Rope swing	<input type="checkbox"/> Camping Sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPDES Discharge	<input type="checkbox"/> Fishing Tackle
<input checked="" type="checkbox"/> Other: None				

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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# Field Data Sheet for Recreational Use Stream Surveys

## Data Sheet B - Site Characterization

Page Two - WBID #: WB1575-03

### Stream Morphology:

#### Upstream View Physical Dimensions:

Riffle	Width (ft): 15'	Length (ft): 51'	Avg. Depth (ft): 2"	Max. Depth (ft): 4"
Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Flow	Present?	Yes	No	Estimated (ft <sup>3</sup> /sec):

#### Downstream View Physical Dimensions:

Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Pool	Width (ft): 13'	Length (ft): 113'	Avg. Depth (ft): 8"	Max. Depth (ft): 1'
Flow	Present?	Yes	No	Estimated (ft <sup>3</sup> /sec):

**Substrate\*:** (These values should add up to 100%.)

30% Cobbles	70% Gravel	% Sand	% Silt	% Mud/Clay	% Bedrock
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**Aquatic Vegetation\*:** (note amount of vegetation or algal growth at the assessment site)

Algal growth on cobbles

**Water Characteristics\*:** (Mark all that apply.)

Odor:	Sewage	Musky	Chemical	None	Other:
Color:	Clear	Green	Gray	Milky	Other:
Bottom Deposit:	Sludge	Solids	Fine sediments	None	Other:
Surface Deposit:	Oil	Scum	Foam	None	Other:

**Comments:** minnows, crawfish

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I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: Dennis M. Meinert

Date: 06/27/05

Organization: Department of Natural Resources SWCP

Position: Soil Scientist

WBID 0938 – Downstream #3



WBID 0938 – Upstream #3



**STREAM NAME**

Opposum Creek

PHOTO	WBID	UP	DOWN	USE	COMMENTS
1	1575		X	No use	No water
2	1575	X		No use	"
3	1575	X		No use	riffle
4	1575		X	No use	pool
5	1575	X		No use	riffle
6	1575		X	No use	pool
7	1575			Tire tracks	
8					
9					
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